

OJPE

## RAW SEQUENCE LISTING

DATE: 04/11/2001

PATENT APPLICATION: US/09/818,991

TIME: 14:14:15

Input Set : A:\seq list 1821 0050004.txt

Output Set: N:\CRF3\04112001\I818991.raw

**ENTERED**

5 <110> APPLICANT: Zauderer, Maurice  
7 Smith, Ernest S.  
11 <120> TITLE OF INVENTION: Methods of Producing a Library and Methods of Selecting Polynucleotides  
12 of Interest  
16 <130> FILE REFERENCE: 1821.0050004  
C--> 20 <140> CURRENT APPLICATION NUMBER: US/09/818,991  
C--> 20 <141> CURRENT FILING DATE: 2001-03-28  
20 <150> PRIOR APPLICATION NUMBER: 60/192,586  
22 <151> PRIOR FILING DATE: 2000-03-28  
26 <150> PRIOR APPLICATION NUMBER: 60/203,343  
28 <151> PRIOR FILING DATE: 2000-05-10  
32 <150> PRIOR APPLICATION NUMBER: 60/263,226  
34 <151> PRIOR FILING DATE: 2001-01-23  
38 <150> PRIOR APPLICATION NUMBER: 60/271,426  
40 <151> PRIOR FILING DATE: 2001-02-27  
44 <160> NUMBER OF SEQ ID NOS: 65  
47 <170> SOFTWARE: PatentIn version 3.0  
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53 <211> LENGTH: 69  
55 <212> TYPE: DNA  
57 <213> ORGANISM: Artificial Sequence  
61 <220> FEATURE:  
63 <221> NAME/KEY: misc\_feature  
65 <223> OTHER INFORMATION: Nucleotide Sequence of p7.5/tk  
69 <400> SEQUENCE: 1  
70 ggccaaaaat tgaaaaacta gatctattta ttgcacgcgg ccgccatggg cccggccgcc 60  
72 aacggcggga 69  
75 <210> SEQ ID NO: 2  
77 <211> LENGTH: 8  
79 <212> TYPE: PRT  
81 <213> ORGANISM: Artificial Sequence  
85 <220> FEATURE:  
87 <221> NAME/KEY: misc\_feature  
89 <223> OTHER INFORMATION: tk coding sequence  
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95 Met Gly Pro Ala Ala Asn Gly Gly  
96 1 5  
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100 <211> LENGTH: 75  
102 <212> TYPE: DNA  
104 <213> ORGANISM: Artificial Sequence  
108 <220> FEATURE:  
110 <221> NAME/KEY: misc\_feature  
112 <223> OTHER INFORMATION: Nucleotide Sequence of pEL/tk  
116 <400> SEQUENCE: 3  
117 ggccaaaaat tgaaatttta tttttttttt ttggaatata aagcgccgc catgggccc 60  
119 gccgccaacg gcgga 75

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126 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
134 <221> NAME/KEY: misc_feature
136 <223> OTHER INFORMATION: Nucleotide Sequence of p7.5/ATG0/tk
140 <400> SEQUENCE: 4
141 ggccaaaaat tgaaaaacta gatctatttta ttgcacgcgg ccgccgtgga tccccgggc 60
143 tgcaggaatt cgatatcaag cttatcgata ccgtcgacct cgaggggggg cctaactaac 120
145 laattttgtt tttgtgggcc cggcc 145
148 <210> SEQ ID NO: 5
150 <211> LENGTH: 148
152 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
158 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
162 <223> OTHER INFORMATION: Nucleotide Sequence of p7.5/ATG1/tk
166 <400> SEQUENCE: 5
167 ggccaaaaat tgaaaaacta gatctatttta ttgcacgcgg ccgccatggt ggatccccc 60
169 ggcgtgcagg attcgatgc aagcttatcg ataccgtcga cctcgagggg gggcctaact 120
171 aactaatttt gttttgtgg gcccgcc 148
174 <210> SEQ ID NO: 6
176 <211> LENGTH: 149
178 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
184 <220> FEATURE:
186 <221> NAME/KEY: misc_feature
188 <223> OTHER INFORMATION: Nucleotide Sequence of p7.5/ATG2/tk
192 <400> SEQUENCE: 6
193 ggccaaaaat tgaaaaacta gatctatttta ttgcacgcgg ccgccatgag tggatcccc 60
195 ggcgtgcagg aattcgatat caagcttatc gataccgctc acctcgaggg gggccctaac 120
197 taactaattt tgtttttgtg ggcggggcc 148
200 <210> SEQ ID NO: 7
202 <211> LENGTH: 150
204 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
210 <220> FEATURE:
212 <221> NAME/KEY: misc_feature
214 <223> OTHER INFORMATION: Nucleotide Sequence of p7.5/ATG3/tk
218 <400> SEQUENCE: 7
219 ggccaaaaat tgaaaaacta gatctatttta ttgcacgcgg ccgccatgac gtggatcccc 60
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223 ctaactaatt ttgttttgtt gggccgggcc 150
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228 <211> LENGTH: 36
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232 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:

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238 <221> NAME/KEY: CDS
240 <222> LOCATION: (1)..(36)
244 <220> FEATURE:
246 <221> NAME/KEY: misc_feature
248 <223> OTHER INFORMATION: rpl3
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254 Ala Phe Leu Gly Tyr Lys Ala Gly Met Thr His Ile
255 1 5 10
258 <210> SEQ ID NO: 9
260 <211> LENGTH: 12
262 <212> TYPE: PRT
264 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
270 <221> NAME/KEY: misc_feature
272 <223> OTHER INFORMATION: rpl3
274 <400> SEQUENCE: 9
276 Ala Phe Leu Gly Tyr Lys Ala Gly Met Thr His Ile
277 1 5 10
280 <210> SEQ ID NO: 10
282 <211> LENGTH: 36
284 <212> TYPE: DNA
286 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
292 <221> NAME/KEY: CDS
294 <222> LOCATION: (1)..(36)
298 <220> FEATURE:
300 <221> NAME/KEY: misc_feature
302 <223> OTHER INFORMATION: H2.16
306 <400> SEQUENCE: 10
307 gcc ttt ctg ggt tac aag gct ggc atg atc cac atc
308 Ala Phe Leu Gly Tyr Lys Ala Gly Met Ile His Ile
309 1 5 10
312 <210> SEQ ID NO: 11
314 <211> LENGTH: 12
316 <212> TYPE: PRT
318 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
324 <221> NAME/KEY: misc_feature
326 <223> OTHER INFORMATION: H2.16
328 <400> SEQUENCE: 11
330 Ala Phe Leu Gly Tyr Lys Ala Gly Met Ile His Ile
331 1 5 10
334 <210> SEQ ID NO: 12
336 <211> LENGTH: 9
338 <212> TYPE: PRT
340 <213> ORGANISM: Unknown
344 <220> FEATURE:
346 <223> OTHER INFORMATION: cyclin A destruction box of unknown origin

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348 <220> FEATURE:
350 <221> NAME/KEY: misc_feature
352 <223> OTHER INFORMATION: Destruction box of cyclin A
356 <400> SEQUENCE: 12
358 Arg Thr Val Leu Gly Val Ile Gly Asp
359 1 5
361 <210> SEQ ID NO: 13
363 <211> LENGTH: 9
365 <212> TYPE: PRT
367 <213> ORGANISM: Unknown
371 <220> FEATURE:
373 <223> OTHER INFORMATION: cyclin B1 destruction box of unknown origin
375 <220> FEATURE:
377 <221> NAME/KEY: misc_feature
379 <223> OTHER INFORMATION: Destruction box of cyclin B1
383 <400> SEQUENCE: 13
385 Arg Thr Ala Leu Gly Asp Ile Gly Asn
386 1 5
388 <210> SEQ ID NO: 14
390 <211> LENGTH: 27
392 <212> TYPE: PRT
394 <213> ORGANISM: Rattus sp.
398 <220> FEATURE:
400 <221> NAME/KEY: misc_feature
402 <223> OTHER INFORMATION: Destruction box of rat cyclin B
406 <400> SEQUENCE: 14
408 Tyr Met Thr Val Ser Ile Ile Asp Arg Phe Met Gln Asp Ser Cys Val
409 1 5 10 15
411 Pro Lys Lys Met Leu Gln Leu Val Gly Val Thr
412 20 25
414 <210> SEQ ID NO: 15
416 <211> LENGTH: 28
418 <212> TYPE: PRT
420 <213> ORGANISM: Mus sp.
424 <220> FEATURE:
426 <221> NAME/KEY: misc_feature
428 <223> OTHER INFORMATION: Destruction box of mouse cyclin B
432 <400> SEQUENCE: 15
434 Lys Phe Arg Leu Leu Gln Glu Thr Met Tyr Met Thr Val Ser Ile Ile
435 1 5 10 15
437 Asp Arg Phe Met Gln Asn Ser Cys Val Pro Lys Lys
438 20 25
440 <210> SEQ ID NO: 16
442 <211> LENGTH: 27
444 <212> TYPE: PRT
446 <213> ORGANISM: Mus sp.
450 <220> FEATURE:
452 <221> NAME/KEY: misc_feature
454 <223> OTHER INFORMATION: Destruction box of mouse cyclin 131

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458 <400> SEQUENCE: 16
460 Arg Ala Ile Leu Ile Asp Trp Leu Ile Gln Val Gln Met Lys Phe Arg
461 1           5           10           15
463 Leu Leu Gln Glu Thr Met Tyr Met Thr Val Ser
464           20           25
466 <210> SEQ ID NO: 17
468 <211> LENGTH: 26
470 <212> TYPE: PRT
472 <213> ORGANISM: Mus sp.
476 <220> FEATURE:
478 <221> NAME/KEY: misc_feature
480 <223> OTHER INFORMATION: Destruction box of mouse cyclin 132
484 <400> SEQUENCE: 17
486 Asp Arg Phe Leu Gln Ala Gln Leu Val Cys Arg Lys Lys Leu Gln Trp
487 1           5           10           15
489 Gly Ile Thr Ala Leu Leu Leu Ala Ser Lys
490           20           25
492 <210> SEQ ID NO: 18
494 <211> LENGTH: 18
496 <212> TYPE: PRT
498 <213> ORGANISM: Mus sp.
502 <220> FEATURE:
504 <221> NAME/KEY: misc_feature
506 <223> OTHER INFORMATION: Destruction box of mouse cyclin A2
510 <400> SEQUENCE: 18
512 Met Ser Val Leu Arg Gly Lys Leu Gln Leu Val Gly Thr Ala Ala Met
513 1           5           10           15
515 Leu Leu
518 <210> SEQ ID NO: 19
520 <211> LENGTH: 53
522 <212> TYPE: DNA
524 <213> ORGANISM: Artificial Sequence
528 <220> FEATURE:
530 <221> NAME/KEY: misc_feature
532 <223> OTHER INFORMATION: 7.5k gene promoter MM436
536 <400> SEQUENCE: 19
537 ggccaaaaat tgaaaaacta gatctattta ttgcacgcgg ccgccatggg ccc      53
540 <210> SEQ ID NO: 20
542 <211> LENGTH: 53
544 <212> TYPE: DNA
546 <213> ORGANISM: Artificial Sequence
550 <220> FEATURE:
552 <221> NAME/KEY: misc_feature
554 <223> OTHER INFORMATION: 7.5k gene promoter MM437
558 <400> SEQUENCE: 20
559 ggccggggccc atggcgggccg cgtgcaataa atagatctag tttttcaatt ttt      53
562 <210> SEQ ID NO: 21
564 <211> LENGTH: 59
566 <212> TYPE: DNA

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VERIFICATION SUMMARY

DATE: 04/11/2001

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TIME: 14:14:16

Input Set : A:\seq list 1821 0050004.txt

Output Set: N:\CRF3\04112001\I818991.raw

L:20 M:270 C: Current Application Number differs, Replaced Current Application No  
L:20 M:271 C: Current Filing Date differs, Replaced Current Filing Date